

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33				Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.											
TERMINAL ROUTES										MISSED APPROACH					
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW02 CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 DIRECT MAD VOR/DME AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SW, RT, 047.00 INBOUND. CHART FAS OBST: 125 SHIP 411230N/0725300W CHART VDP AT 1.08 NM TO RW02* *LNAV ONLY. WAAS CHANNEL # 86999 REFERENCE PATH ID: W02A DISTANCE TO THLD FROM 287 HAT: 0.74 NM CHART CIRCLING ICON LTP HAE: -28 M					
MAD VOR/DME		PEPER (FO)		227.48 / 16.64				2000							
NESSI		PEPER (FO)		111.31 / 6.39				1800							
KEYED (IAF)		PEPER (NOPT) (FB)		307.27 / 10.33				1800							
PEPER (IF/IAF)		SALLT (FB)		015.91 / 5.74				1500							
SALLT (FAF)		RW02 (MAP) (FO)		015.92 / 4.53				600							
RW02 (MAP)		600 MSL		015.92				600							
600 MSL		MAD VOR/DME (FO)						2000							
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD S PEPER, RT, 015.91 INBOUND, 1800 FT. IN LIEU OF PT (IAF) 3. FAC: 015.92 FAF: SALLT DIST FAF TO MAP: 4.53 THLD: 4.53 4. MIN. ALT: PEPER 1800, SALLT 1500 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 1500 GS ALT AT: SALLT 1500 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 50.4 34:1 IS NOT CLEAR 8. MSA FROM: RW02 3100										MAG VAR: 13W EPOCH YEAR: 1980					
MINIMUMS															
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @					
CATEGORY =====>		A		B		C		D		E					
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LPV DA	293	4000	287	293	4000	287	293	4000	287	293	4000	287			
LNAV/VNAV DA	309	4000	303	309	4000	303	309	4000	303	309	4000	303			
LNAV MDA	400	4000	394	400	4000	394	400	4500	394	400	4500	394			
CIRCLING	720	1	708	720	1	708	780	2 1/4	768	880	2 3/4	868			
NOTES: CHART NOTE: DME/DME RNP-0.3 NA. CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONG ISLAND MAC ARTHUR ALTIMETER SETTING: INCREASE LPV ALL CATS DA TO 374 FEET AND LNAV/VNAV ALL CATS DA TO 415 FEET AND VISIBILITY LPV ALL CATS TO RVR 5000, LNAV/VNAV TO RVR 6000; INCREASE ALL MDAS 100 FEET, (CONTINUED ON PAGE 2)															
CITY AND STATE NEW HAVEN, CT		ELEVATION: 12 TDZE: 6 AIRPORT NAME: TWEED-NEW HAVEN		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 2, AMDT 1				SUP:					
										AMDT:					
										DATED 12/10/2015					

 QUALITY
4
ORIG-B

ALL AFFECTED PROCEDURES REVIEWED? <input checked="checked" type="checkbox"/> YES <input type="checkbox"/> NO	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE <div style="text-align: center;">ROUTINE</div>
COORDINATED WITH: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">ATA <input checked="checked" type="checkbox"/></div> <div style="text-align: center;">AAT <input type="checkbox"/></div> <div style="text-align: center;">ALPA <input checked="checked" type="checkbox"/></div> <div style="text-align: center;">APA <input checked="checked" type="checkbox"/></div> <div style="text-align: center;">AOPA <input checked="checked" type="checkbox"/></div> <div style="text-align: center;">NBAA <input checked="checked" type="checkbox"/></div> <div style="text-align: center;">OTHER (specify) <input checked="checked" type="checkbox"/> <u>ZBW, NY TRACON, BOS FPO, HVN ATCT, AIRPORT MGR</u></div> </div>		
FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY <i>Digitally signed by</i>		
NAME:	FIFO	DATE:
ROSE BOONE	ROSE BOONE Jan 12, 2016 AJV-5412	10/09/2015
APPROVED BY		
NAME:	FIFO	DATE:
MARLON J. ROBINSON	MANAGER AJV-5410	
CHANGES: 1. CHANGED FAC 015.91 TO 015.92. 2. CHANGED MAD FEEDER CRS/DIST FROM 226.95/16.89 TO 227.48/16.64. 3. CHANGED NESSI FEEDER CRS/DIST FROM 113.93/6.46 TO 111.31/6.39. 4. REMOVED WURLA INITIAL. 5. CHANGED KEYED FEEDER TO AN INITIAL AND CONNECTED IT TO PEPER. 6. CHANGED PEPER INTERMEDIATE CRS/DIST FROM 15.90/6.10 TO 15.91/5.75. 7. CHANGED FINAL CRS/DISTANCE FROM 015.91/4.47 TO 015.52/4.53. 8. CHANGED MISSED APPROACH FROM CLIMB TO 2000 DIRECT HIMUL AND RIGHT TURN VIA 113.00 TRACK TO MAD VOR/DME AND HOLD TO CLIMB TO 600 THEN CLIMBING RIGHT TURN TO 2000 DIRECT MAD VOR/DME AND HOLD. 9. ADDED ADDITIONAL DATA NOTE: CHART CIRCLING ICON. 10. ADDED VDP. 11. CHANGED TCH FROM 50.3 TO 50.4. 12. CHANGED CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO FOR INOPERATIVE MALSF, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO RVR 5000, LNAV CATS C AND D TO RVR 6000. (SEE FORM 8260-10)		
REASONS: 1. NEW SURVEY DATA. 2, 3, 6. PEPER MOVED TO LINE UP WITH ILS OR LOC RWY 02. 4, 5. WURLA DID NOT MEET DTA REQUIRMENTS. 7. PFAF COORDINATES ESTABLISHED IAW 8260.54A FORMULA 2-16B. 8. ATC REQUEST TO MATCH ILS OR LOC RWY 02 MISSED APPROACH. 9, 20. ORDER 8260.3, VOLUME 1, CH 2, NEW CIRCLING CRITERIA. 10. OBSTACLES NO LONGER PENETRATE 20:1 SURFACE. 11. ROUNDING. 12, 15, 18. TERPS TABLE 3-5A NOW BEING APPLIED. 13. CIRCLING 20:1 SURFACE PENETRATED. 14. NEW SURFACE CALCULATION AND MISSED ADJUSTMENT. 16. NEW CONTROLLING OBSTACLE. 17. NEW MISSED ADJUSTMENT. 19. IAW 8260.19E PARA 8-57 L(2) (SEE FORM 8260-10)		

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

INCREASE VISIBILITY LNAV CAT C AND D TO RVR 6000, AND CIRCLING CAT C TO 2 1/2 MILE AND CAT D TO 3 MILE.

CHART NOTE: FOR INOPERATIVE MALSF, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO RVR 5000, LNAV CATS C AND D TO RVR 6000.

CHART NOTE: FOR INOPERATIVE MALSFs WHEN USING LONG ISLAND MAC ARTHUR ALTIMETER SETTING, INCREASE LPV VISIBILITY ALL CATS TO 1 1/4 MILES, INCREASE LNAV/VNAV ALL CATS, AND LNAV CATS C AND D VISIBILITY TO 1 3/8 MILES.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F).

CHART NOTE: NIGHT LANDING: RWY 14, 32 NA.

CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 NOT AUTHORIZED.

CHART NOTE: VDP AND BARO-VNAV NA WITH LONG ISLAND MAC ARTHUR ALTIMETER SETTING.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NESSI ON V91 NORTHWEST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KEYED ON V16 NORTHEAST BOUND.

QUALITY
18
CHECKED

CITY AND STATE

NEW HAVEN, CT

ELEVATION: 12

TDZE: 6

AIRPORT NAME:

TWEED-NEW HAVEN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

SUP:

AMDT: **ORIG-B**

DATED: **12/10/2015**

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>13. ADDED CHART NOTE: NIGHT LANDING: RWY 14, 32 NA.</div> <div>14. LPV DA/HAT CHANGED FROM 324/318 TO 293/287.</div> <div>15. LPV ALL CATS AND LNAV CATS A AND B RVR CHANGED FROM 5000 AND LNAV/VNAV FROM 6000 TO 4000 AND LNAV CAT C AND D FROM 2 AND 2 1/4 MILE TO RVR 4500.</div> <div>16. LNAV/VNAV DA/HAT CHANGED FROM 364/358 TO 309/303.</div> <div>17. LNAV MDA/HAT CHANGED FROM 460/454 TO 400/394.</div> <div>18. CHANGED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ISLIP ALTIMETER SETTING AND INCREASE ALL DAS TO 405 FEET AND ALL MDAS 100 FEET TO WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE LONG ISLAND MAC ARTHUR ALTIMETER SETTING: INCREASE LPV ALL CATS DA TO 374 FEET AND LNAV/VNAV ALL CATS DA TO 415 FEET AND VISIBILITY LPV ALL CATS TO RVR 5000, LNAV/VNAV TO RVR 6000; INCREASE ALL MDAS 100 FEET, VISIBILITY LNAV CAT C AND D TO RVR 6000, AND CIRCLING CAT C TO 2 1/2 MILE AND CAT D TO 3 MILE.</div> <div>19. CHANGED NOTE DISTANCE TO THLD FROMM 318 HAT: 0.84NM TO DISTANCE TO THLD FROM 287 HAT: 0.74 NM.</div> <div>20. CHANGED CIRCLING VISIBILITY CATS A AND B FROM 1 1/4 TO 1, CAT C FROM 2 TO 2 1/4, D 2 1/4 TO 2 3/4 AND CAT C MDA/HAA FROM 708/720 TO 780/768, AND (SEE FORM 8260-10)</div> <div>REASONS:</div> <div>REASONS CONT.</div> <div>21. IAW 8260.19E PARA 8-53 B(6)</div> <div>22. IAW 8260.19E PARA 4-97</div> <div>23. IAW MEMO DTD 8-27-12</div> <div>24. IAW 8360.19E PARA 8-54 M(3)D</div> <div>06/03/2016 THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 10/09/2015</div> <div>1. ADDED (NOPT) TO KEYED INITIAL</div>					
<div>QUALITY 4 CHECKED</div>					

US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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QUALITY
18
CHECKED

CITY AND STATE
NEW HAVEN, CT

ELEVATION: 12 TDZE: 6
AIRPORT NAME:
TWEED-NEW HAVEN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 2, AMDT 1

SUP:
AMDT: ORIG-B
DATED: 12/10/2015

ALL AFFECTED PROCEDURES REVIEWED? <div><input type="checkbox"/> YES</div> <div><input type="checkbox"/> NO</div>		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH:					
ATA <div><input type="checkbox"/></div>		AAT <div><input type="checkbox"/></div>		ALPA <div><input type="checkbox"/></div>	
APA <div><input type="checkbox"/></div>		AOPA <div><input type="checkbox"/></div>		NBAA <div><input type="checkbox"/></div>	
OTHER (specify)		<div><input type="checkbox"/></div>		<div><input type="checkbox"/></div>	
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
<div>CHANGES:</div> <div>CHANGES CONT.</div> <div>CAT D MDA/HAA FROM 720/708 TO 880/868.</div> <div>21. ADDED NOTE FOR ALTERNATE MINIMUMS: @CAT C 800-2 1/4, CAT D 900-2 3/4.</div> <div>22. CHANGED NOTE: BARV-VNAV NA BELOW -15C (5F) TO FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -14C (7F) OR ABOVE 54C (130F).</div> <div>23. ADDED CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW RVR 4000 SM NOT AUTHORIZED.</div> <div>24. ADDED CHART NOTE: FOR INOPERATIVE MALSF, INCREASE LPV AND LNAV/VNAV ALL CATS VISIBILITY TO RVR 5000, LNAV CATS C AND D TO RVR 6000.</div> <div>25. CRC REMAINDER CHANGED FROM 39369B5C TO D38B654D.</div>					
REASONS:					

**STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KHVN
RUNWAY	RW02
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W02A
LTP/FTP LATITUDE	411521.7800N
LTP/FTP LONGITUDE	0725317.6855W
LTP/FTP ELLIPSOIDAL HEIGHT	-00280
FPAP LATITUDE	411650.8130N
FPAP LONGITUDE	0725311.6655W
THRESHOLD CROSSING HEIGHT (TCH)	00050.4
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1040
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 5895DAC8

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K6
LTP ORTHOMETRIC HEIGHT	+00020
FPAP ORTHOMETRIC HEIGHT	+00020

CITY AND STATE

NEW HAVEN, CT

ELEVATION: 12

TDZE: 6

AIRPORT NAME:

TWEED-NEW HAVEN

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 2, AMDT 1

SUP:

AMDT:

DATED:

 QUALITY
18
CHECKED

ORIG-B

12/10/2015

ALL AFFECTED PROCEDURES REVIEWED?		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
<input type="checkbox"/> YES <input type="checkbox"/> NO					
COORDINATED WITH:					
ATA	AAT	ALPA	APA	AOPA	NBAA OTHER (specify)
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> _____
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				FIFO	DATE:
APPROVED BY					
NAME:				FIFO	DATE:
CHANGES:					
REASONS:					

INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES

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CITY AND STATE

ELEVATION:

TDZE:

FACILITY
IDENTIFIER:

PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:

SUP:

AMDT:

DATED:

QUALITY
18
CHECKED

ALL AFFECTED PROCEDURES REVIEWED? <input type="checkbox"/> YES <input type="checkbox"/> NO		COORDINATES OF FACILITIES		REQUIRED EFFECTIVE DATE	
COORDINATED WITH: ATA AAT ALPA APA AOPA NBAA OTHER (specify) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
FLIGHT CHECKED BY					
NAME:				FIFO	DATE:
DEVELOPED BY					
NAME:				NFPG	DATE:
APPROVED BY					
NAME:				NFPG	DATE:
CHANGES:					
REASONS:					

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT		FROM		TO		OBSTRUCTION		COORDINATES		ELEV. MSL		ROC		ALT. ADJUSTMENTS		MIN. ALT.					
FEEDER		MAD VOR/DME		PEPER		1. AAO		411942.00N/0724318.00W		506 (5E)		1000		AT494		2000					
						2. TERRAIN		411942.00N/0724318.00W		306 (300)				AS1500		1800					
FEEDER		NESSI		PEPER		3. AAO		410730.00N/0725730.00W		200 (5E)		1000		AT600		1800					
						4. TERRAIN		410730.00N/0725730.00W		0 (0)				AS1500		1500					
INITIAL		KEYED		PEPER		5. AAO		405845.00N/0724121.00W		371 (5E)		1000		AT429		1800					
						6. TERRAIN		405845.00N/0724121.00W		171 (200)				AS1500		1700					
INTERMEDIATE		PEPER (IF/IAF)		SALLT		7. SHIP		410958.71N/0725337.28W		125 (2C)		500				700					
						8. OVER WATER		410958.71N/0725337.28W		0 (0)				AS1500		1500					
FINAL: LPV		SALLT		DA		9. TREE (09-020272)		411454.59N/0725317.76W		99 (1A)		34:1		MA36		293/287					
FINAL: LNAV/VNAV		SALLT		DA		10. TREE (09-020395)		411518.00N/0725234.01W		112 (2C)		161		AC20 MA16		309/303					
FINAL: LNAV		SALLT		RW02		11. SHIP		411230.00N/0725300.00W		125 (2C)		250		MA13		400					
2. HOLD-IN-LIEU-OF-PT		PEPER		P-4		12. TOWER (36-000466)		405726.00N/0725257.00W		519 (5D)		1000		AT281		1800					
						13. TERRAIN		405715.00N/0724942.00W		247 (200)				AS1500		1700					
3. MISSED APPROACH	MAP:		RW02		MAD VOR/DME		9. TREE (09-020272)		411454.59N/0725317.76W		99 (1A)		ASC				2000				
	ELEV:		132/280/300				14. AAO		412100.00N/0724733.00W		610 (5E)		1000				1700				
							15. TERRAIN		412100.00N/0724733.00W		410 (400)				AS1500		1900				
4. CIRCLING AREA		DISTANCE		HT. ABV. ARPT.																	
CATEGORY A		1.3 NM		REQUIRED	ACTUAL	350		708		16. STACK (09-000110)		411702.12N/0725412.82W		404 (1A)		300		720			
CATEGORY B		1.5 NM				450		708		16. STACK (09-000110)		411702.12N/0725412.82W		404 (1A)		300		720			
CATEGORY C		1.7 NM				450		768		17. BLDG (09-000324)		411825.00N/0725527.00W		420 (3D)		300		AC50		780	
CATEGORY D		2.3 NM				550		868		18. AAO		411933.69N/0725404.50W		579 (2C)		300				880	
CATEGORY E		4.5 NM				550															
5. MINIMUM SAFE ALTITUDES																					
PRIMARY NAVAID: RW02																					
SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A		SECTOR		OBSTRUCTION		BRG/DIST		ELEVATION (MSL)		M S A			
360-360		TWR (09-000252)		018/27.0		2032 (1A)		3100													
CITY AND STATE				ELEVATION: 12				FACILITY				PROCEDURE AND AMENDMENT NO:				REGION					
NEW HAVEN, CT				AIRPORT NAME: TWEED-NEW HAVEN				RNAV				RNAV (GPS) RWY 2, AMDT 1				ANE					

PART B - SUPPLEMENTAL DATA										PART C - REMARKS: PRECIPITOUS TERRAIN EVALUATION COMPLETED. VGSI DATA: 3.00/50. ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED. CAT A: 1.30NM CAT B: 1.81NM CAT C: 2.84NM CAT D: 3.70NM SEE ATTACHED AIRSPACE LETTER. RASS PRESSURE PATTERNS SAME KHVN 12.4, KISP 98.7 RA = 80.44. LNAV/VNAV: 23.44:1 OBST. 10: LNAV/VNAV AND LNAV MISSED APPROACH PENETRATION: 16. STACK (09-000110) 411702.12N/0725412.82W 404 (1A) LNAV AND LNAV/VNAV INTERMEDIATE OBSTRUCTION IS THE SAME AS THE LPV. 25 DEGREE BANK ANGLE USED IN MISSED APPROACH. CRITICAL TEMPERATURES CRITICAL LOW -14C (7F) CRITICAL HIGH +54C (130F) ACT -14C APT ISA +14.98C DELTA ISA LOW 28.98C CRITICAL LOW TEMP BASED ON ACT DESCENT RATE: STANDARD TEMP 954 HIGH TEMP 1114 TEMPERATURE LIMITS, DELTA ISA LOW, AND DESCENT VALUES DERIVED FROM AFS-400 CALCULATOR PARA 251 34:1 PENETRATIONS 99 FT TREE (09-020272) 411454.59N-0725317.76W (17.67) 87 FT TREE (09-020271) 411455.01N-0725321.38W (6.50) PARA 251 20:1 PENETRATIONS R14: 148 TREE (09-020373) 411614.57N/0725336.54W (58.61) R14: 119 TREE (09-020386) 411611.79N/0725334.81W (43.84) R14: 85 TREE (09-020411) 411603.26N/0725333.58W (41.77) R14: 123 TREE (09-020388) 411610.25N/0725341.00W (35.18) R14: 115 TREE (09-020387) 411607.89N/0725341.10W (34.75) R14: 121 TREE (09-020389) 411611.54N/0725340.49W (30.35) R14: 126 TREE (09-020374) 411612.92N/0725341.16W (28.83) R14: 138 TREE (09-020376) 411617.57N/0725348.20W (5.12) R14: 72 POLE (09-020385) 411608.31N/0725336.72W (2.94) R14: 76 POLE (09-022421) 411609.00N/0725337.72W (1.77) R32: 57 TREE (09-020483) 411535.84N/0725243.29W (22.84) CONT.	
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING					
HVN TOWER ZBW ARTCC NY TRACON				N W S	OTHER: ASOS		SOURCE:KHVN / KISP				
				F A A			DISTANCE: 0 / 29.74				
				A / C			HOURS REMOTE OPERATION: 24 / BACKUP				
SATISFACTORY ON:						LOCATION: KHVN					ADJUSTMENT: 0 / 81
4. MONITOR STATUS	X	V H F	X	U H F	H F	PRIMARY NAVAID:					
						MONITOR POINT:					
						HRS	CAT 1				
						OPTN:	CAT 3				
5. APPROACH & RUNWAY LIGHTING									ALS		
									(S) SALS		
									X	MALSF 02 (PCL)	
									X	HIRL 02 (PCL), 20 (PCL)	
									X	MIRL 14 (PCL), 32 (PCL)	
										REIL	
										TDZ	
										C/LINE	
	X								OTHER (SPECIFY) PAPI-4L 02, 32 VASI-4L 20		
6. RUNWAY MARKINGS									BASIC BSC-G 14, 32		
									ALL WEATHER PIR-G 02		
									INSTRUMENT NPI-G 20		
7. RUNWAY VISUAL RANGE									APPROACH 02		
									MIDFIELD		
									ROLL OUT		
8. GLIDE PATH									GP ANGLE: 3.00	ELEV RWY THRESHOLD:6.4	
									DISTANCE FROM RWY:	ELEV GP ANTENNA:	
										THRESHOLD CROSSING HEIGHT:50.4	
9. FINAL APPROACH COURSE AIMING										RUNWAY THRESHOLD	FT. FROM THRESHOLD
										ON CENTERLINE	FT. FROM CENTERLINE
10. WAIVERS: NONE											
PART D - PREPARED BY: ROSE BOONE						DATE: 10/09/2015					
TITLE: AERONAUTICAL INFORMATION SPECIALIST						OFFICE: AJV-5412					

QUALITY
18
CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD		
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PART - A OBSTRUCTION DATA

[illegible]

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES				PRIMARY NAVAID:					
SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

CITY AND STATE NEW HAVEN, CT	ELEVATION: 12 AIRPORT NAME: TWEED-NEW HAVEN	FACILITY RNAV	PROCEDURE AND AMENDMENT NO: RNAV (GPS) RWY 2, AMDT 1	REGION ANE QUALITY
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PART B - SUPPLEMENTAL DATA										PART C - REMARKS: CONTINUED. R32: 34 TREE (09-020479) 411538.08N/0725246.63W (16.90) R32: 49 TREE (09-020495) 411533.47N/0725246.52W (16.23) R32: 45 TREE (09-020501) 411533.38N/0725247.92W (15.95) R32: 86 TREE (09-020509) 411530.07N/0725237.37W (15.62) R32: 46 TREE (09-020496) 411534.22N/0725245.65W (13.23) R32: 29 TREE (09-020391) 411536.75N/0725248.52W (12.90) R32: 44 TREE (09-020432) 411534.71N/0725245.44W (12.25) R32: 44 TREE (09-020490) 411534.93N/0725245.03W (11.81) R32: 115 TREE (09-020538) 411527.14N/0725229.18W (11.33) R32: 107 TREE (09-020520) 411529.08N/0725229.53W (10.80) R32: 110 TREE (09-020542) 411526.67N/0725231.16W (10.45) R32: 26 TREE (09-020471) 411537.28N/0725248.00W (10.17) R32: 28 TREE (09-020486) 411537.11N/0725247.24W (9.42) R32: 42 TREE (09-020481) 411535.83N/0725243.69W (8.96) R32: 42 TREE (09-020494) 411534.88N/0725243.77W (6.02) R32: 102 TREE (09-020533) 411527.71N/0725230.96W (5.34) R32: 96 TREE (09-020531) 411528.32N/0725231.98W (4.30) R32: 97 TREE (09-020534) 411527.21N/0725232.74W (3.79) R32: 33 TREE (09-020487) 411535.57N/0725245.19W (3.40) R32: 72 TREE (09-020518) 411529.49N/0725238.64W (3.33) R32: 41 TREE (09-020503) 411532.20N/0725246.18W (3.02) R32: 98 TREE (09-020522) 411529.95N/0725228.87W (2.80) R32: 73 TREE (09-020507) 411530.02N/0725237.25W (2.10) R32: 106 TREE (09-020553) 411526.23N/0725229.76W (0.96) R32: 14 TREE (09-020478) 411538.13N/0725247.95W (0.86)		
1. COMMUNICATIONS WITH:			2. WEATHER SERVICE			3. ALTIMETER SETTING						
SATISFACTORY ON:				N W S	OTHER:		SOURCE:					
				F A A			DISTANCE:					
				A / C			HOURS REMOTE OPERATION:					
	V H F		U H F		H F	LOCATION:			ADJUSTMENT:			
4. MONITOR STATUS		PRIMARY NAVAID:										
		MONITOR POINT:										
		HRS OPTN:	CAT 1			CAT 3						
5. APPROACH & RUNWAY LIGHTING			ALS									
			(S) SALS									
			MALS									
			HIRL									
			MIRL									
			REIL									
			TDZ									
			C/LINE									
		OTHER (SPECIFY)										
6. RUNWAY MARKINGS		BASIC										
		ALL WEATHER										
		INSTRUMENT										
7. RUNWAY VISUAL RANGE		APPROACH										
		MIDFIELD										
		ROLL OUT										
8. GLIDE PATH		GP ANGLE:				ELEV RWY THRESHOLD:						
		DISTANCE FROM RWY:				ELEV GP ANTENNA:						
						THRESHOLD CROSSING HEIGHT:						
9. FINAL APPROACH COURSE AIMING				RUNWAY THRESHOLD					FT. FROM THRESHOLD			
				ON CENTERLINE					FT. FROM CENTERLINE			
10. WAIVERS:												
PART D - PREPARED BY:										DATE:		
TITLE:										OFFICE:		

